

WISZNIOWSKI, K.

WISZNIOWSKI, K. Coal tar as a source of precious products. p. 216

Vol. 9, no. 7/8, July/Aug. 1956

CHEMIK  
SCIENCE  
Warszawa, Poland

So: East European Accession, Vol. 6, no. 2, Feb. 1957

WISZNIOWSKI, K.

New sources of pyridine base. Biuletyn.

p. 4 (Koks, Smola, Gaz. Vol. 1, no. 1, Jan./Mar. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

WISZNIOWSKI, K.

Poland/Chemical Technology - Chemical Products and Their Application. Treatment of Solid Mineral Fuels, I-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62525

Author: Niewiadomski, T., Wiszniowski, K.

Institution: None

Title: Processing of Coal Coking Products

Original

Periodical: Z zagadnien węglowych, Chemik, 1956, 9, No 2, 38-43; Polish

Abstract: Present state and development prospects of chemical processing of coal tar in crude benzene in Poland.

Card 1/1

WISZNIOWSKI, KAZIMIERZ

Poland /Chemical Technology. Chemical Products  
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31826

Author : Kisza Zbigniew, Wiszniowski Kazimierz

Title : Tentative Classification of Tars of Coke-Byproducts  
Plants

Orig Pub: Koks, smola, gaz, 1956, 1, No 3, 103-107

Abstract: A processing of analytical data relating to the  
tars of Polish coke-byproducts plants has made  
it possible to trace a correlation between the  
specific gravity of the tar and such parameters  
as its content in pitch, free carbon, anthracene

Card 1/3

Poland /Chemical Technology. Chemical Products  
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31826

and phenols (in the fraction up to 270°), and also certain relationships between the contents of free carbon and pitch, between specific gravity of the tar and the content of benzene and toluene in the crude benzene, between the benzene and toluene content of crude benzene. All these correlations represented in the form of diagrams have provided a basis for classifying the tars derived from Polish coke in two groups, of specific gravity below and above 1.195, pitch content (in %) below and above 63, free carbon below and above 9, phenols (up to 270°) below and above 2, crude anthracene below and above 2.5.

Card 2/3

Poland /Chemical Technology. Chemical Products  
and Their Application

I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31826

To improve the operation of tar fractionation plants it is recommended to group the tars produced by various coke byproducts plants in accordance with these two subdivisions and to specialize accordingly the methods of their processing.

Card 3/3

WISZNIOWSKI, K.

W. Murzynowski and K. Wiszniewski: "Prospects for the Utilization of Coal-Derivative Products," Chemik, Vol IX, No 11, Warsaw, November 1956, pp 319-325.

Wiszniewski, Kazimierz

Pressure refining of benzene  
Kazimierz Wiszniewski, Maria Kowalewska and  
Tadeusz Kowalewski. *Koks* 1982, 114-20 (1987)  
English summary: The authors discuss the reactions  
occurring in the hydrogenation of benzene with low coke-  
oven gas, the technological aspects and compare the yields  
obtained in the coal reduction and hydrogenation process  
8 references

3-2  
4E

WISZNIEWSKI, K.

"Mass utilization of aromatic hydrocarbons from pitch."

p. 149 (Chemik) Vol. 10, no. 5, May 1957  
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

WISZNIOWSKI, KAZIMIERZ

POLAND / Chemical Technology. Chemical Products and Their  
Application - Treatment of solid mineral fuels

J-8

Abs Jour : Referat Zhur - Khimiya, No 2, 1958, 5828

Author : Wiszniewski Kazimierz

Inst : Not given

Title : Pitch for the Making of Briquettes

Orig Pub : Koka, smola, gaz., 1957, 2, No 2, 77-81

Abstract : A review. Bibliography 11 references.

Card 1/1

POLAND/Chemical Technology - Chemical Products and Their  
Application - Treatment of Solid Mineral Fuels.

H.

Abs Jour : Ref Zhur - Khiniyc, № 9, 1958, 30098

Author : Strzeszewska, M. and Wiszniewski, K.

Inst : -

Title : The Purification of Crude Benzene by Hydrogenation Under Pressure.

Orig Pub : Koks, Smola, i Gaz, 2, № 3, 114-120 (1957) (in Polish  
with summaries in German, English, and Russian)

Abstract : A survey of the methods used to carry out the hydrogenation of benzene with  $H_2$  and  $H_2$ -containing gases under pressure for the purpose of achieving a purification of the benzene and the production of motor fuel or, on distillation of the reaction mixture, for the production of chemical raw materials. A description of the various processes is given together with comparison technical

Card 1/2

POLAND/Chemical Technology - Chemical Products and Their  
Application - Treatment of Solid Mineral Fuels.

H.

POLAND / Chemical Technology. Chemical Products. Refin- H  
ing of Solid Fuels.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68678.

Author : Wiszniewski K.

Inst : Not given.

Title : Viscosity of Benzene Products Obtained in the  
Thermal Refining of Coal. Measurements and Method  
of Calculation of Dynamic Viscosity.

Orig Pub: Koks, smola, gaz, 1957, 2, No 5, 188-191.

Abstract: Dynamic viscosities of various coal products (raw,  
refined, and motor gasoline, toluene fraction, re-  
fined xylene, solvent naphtha etc.) at different  
temperatures were determined. For graphical rep-  
resentation of the effect of temperature on vis-  
cosity the Duhring's Rule was used. Applicable  
formulae for calculation are presented.

Card 1/1

65

POLAND / Chemical Technology. Chemical Products. H  
Commercial Organic Synthesis.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68306.

Author : Wiszniewski K.

Inst : Not given.

Title : New Raw Material for the Manufacture of Phthalic Anhydride.

Orig Pub: Chemik, 1957, 10, No 11, 317-321.

Abstract: In the manufacture of phthalic anhydride (I) naphthalene (II) is normally used. The world production of I in 1957 (excluding the peoples' democracies) was approx. 340,000 tons, which would be equivalent to 420,000 tons II at the world's production rate of 432,000 tons of the latter. Because of shortage of II, its substitutes are being sought. Exploratory research was conducted whose

Card 1/5

50

POLAND / Chemical Technology. Chemical Products.  
Commercial Organic Synthesis.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68306.

Abstract: object was to derive I from the components of coal tar, hitherto not used for the purpose. The coal tar contains approximately 7.5% II. The investigation covered oxidation of the products containing 0.6-5.0% of II. This was done in the presence of a catalyst (C) - containing fused  $V_2O_5$ , 80% of which was in a form of 4.5-7.5mm granules and 20% in the form of 7.5-10mm granules. Thus from phenanthrene (III) 72% yield of a product containing 85-90% I and 10-15% maleinic anhydride (IV) was obtained at  $450^\circ$  and at an air rate of 20  $\ell/\text{gr}$  of III. The optimum contact time being 1.4-2.6 sec.

Card 2/5

POLAND / Chemical Technology. Chemical Products.  
Commercial Organic Synthesis.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68306.

**Abstract:** In the oxidation of anthracene (V), anthraquinone is produced alongside with I and IV, with the yield of 85-92%. At a temperature of  $> 450^\circ$ , I is the main product. In the oxidation of fluorene, 80% I and IV are produced with the yield of 68%. From chrysene (at 6.3 minutes contact time) there were obtained 89% I and 11% IV with the yield of 87.6%. A possibility of obtaining I by means of oxidation of fractions from the initial fractionation of coal tar was checked. From the phenanthrene fraction containing 50% III and 14% V the products of oxidation constituted 46.9 wt % of which 32% was I. When the products of oxidation were recalculated based on III the yield was 112% of which I was 85%, i.e., it was greater than in the oxidation of II.

Card 3/5

51

POLAND / Chemical Technology. Chemical Products.  
Commercial Organic Synthesis.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68306.

**Abstract:** Anthraquinone was obtained simultaneously from V with 62.7% yield. The anthracene fraction yields 23-34.4% of products (212-290% based on III) that include 13.8-22.5% I. The naphthalene fraction, contained 79.8% II, upon oxidation gives 89.7% anhydrides that include 79% I. Capacities of C basis maximum yields comprise 120 gr/l/hour for II, 30-35 gr/l/hour for III, V, and fluorene, 40 gr/l/hr. for chrysene and pyrene, and 50-55 gr/l/hr. for phenanthrene and anthracene fractions. Decrease in the conversion increases capacity of the catalyst C considerably. Activity of C has not

Card 4/5

POLAND / Chemical Technology. Chemical Products.  
Commercial Organic Synthesis.

H

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68306.

Abstract: been found to diminish after 300 hours in operation.  
Results of the above investigation demonstrated  
that in the production of I, formation of other  
pure components from coal tar is possible. A  
technological scheme depicting the vapor phase  
oxidation of aromatic hydrocarbons is shown.

Card 5/5

52

CATEGORY : 1 H-22

ABS. JOUR. : RZKhim, No. 22 1959, No. 79747

AUTHOR : Niewiadomski, T. and Wiszniewski, K.

INST. : Not given

TIME : Improvements in the Technology of Naphthalene Recovery

ORIG. PUB. : Chemik, 11, No 7-8, 209-213 (1958) Jul./Aug.

ABSTRACT : Improvements in industrial processes for the recovery of naphthalene from coal tar are described, permitting the attainment of higher yields of naphthalene. Flow sheets for the various recovery processes are given.  
Ye. Pokrovskaya

Monthly List of East European  
CARD: 1/1 Assessors (EAI) LC Vol. 8,  
No. 4, April 1959 U.S.S.R.

WISZNIOWSKI, K.

A conference on naphthalene. p. 167.

CHEMIK. (Ministerstwo Przemyslu Chemicznego i Stowarzyszenie Naukowe-Techniczne Inzynierow i Technikow Przemyslu Chemicznego) Warszawa. Poland. Vol. 12, no. 4, April 1959.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 8, August, 1959.

Uncl.

WISZNIOWSKI, Kazimierz, mgr., inz.

Processing of coal in the German Federal Republic during the last six years, 1955-1960. Chemik 14 no.10:388-390 0 '61.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

WISZNOWSKI, Kazimierz, mgr., inz.

Carbon chemistry or petroleum chemistry. Chemik 14 no.11:425-426  
N '61.

1. Instytut Chemicznej przerobki Węgla, Zabrze.

WISZNIOWSKI, Kazimierz

Coumarone-indene resin; outlines. Koks 7 no. 3:118-125 My-Je '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

WISZNIOWSKI, K.

"Problem of determining the binding properties of hard coal pitch from eastern plants" by P.N. Gorislaw, E.A. Wolgin. Reviewed by K. Wiszniowski. Koks 7 no.3:126 My-Je '62.

WISZNIOWSKI, Kazimierz

Remarks on the method of determining the softening temperature of pitch and binder., Koks 7 no.4:150-152 Jl-Ag '62.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

WISZNIOWSKI, Kazimierz, mgr inz.

Role of xylenes in industry. Chemik 16 no. 5:146-149  
Maj '63.

ZAJAC, Mieczyslaw, mgr; WISZOWATY, Zdzislaw, mgr

Problems óf titanium white. Chemik 15 no.1:7-9 Ja '62.

1. Komisja Planowania przy Radzie Ministrow, Warszawa.

L 8539-66 EWT(m)/T/EWA(m)-2  
ACCESSION NR: AP5018828

PO/0045/65/027/006/0989/0991

AUTHOR: Wit, R. 55

TITLE: High energy behavior of the real part of a charge-exchange amplitude 41 B

SOURCE: Acta physica polonica, v. 27, no. 6, 1965, 989-991

TOPIC TAGS: charge exchange, scattering amplitude, strong nuclear interaction, asymptotic property 19, 55

ABSTRACT: The high-energy behavior of the real part of the charge-exchange amplitude is considered by making use of results of Meiman (N. N. Meiman, Zh. Eksper. Teor. Fiz. v. 43, 2277, 1962), using also the Phragmen-Lindelof theorem. The communication is essentially devoted to an estimate of the rate of decrease of the real part of the amplitude and the degree of its compatibility with the analyticity and unitarity conditions. Orig. art. has: 8 formulas.

ASSOCIATION: Joint Institute for Nuclear Research, Laboratory of Theoretical Physics, Dubna, USSR

SUBMITTED: 23Mar65

ENCL: 00

SUB CODE: SS, NP

MR REF Sov: 004

OTHER: 003

Card 1/1

NAMYSLOWSKI, Jozef; WIT, Romuald

Asymptotic properties and zeros of the forward scattering amplitude.  
Acta physica Pol 23 no.2:197-203 F '63.

1. Institute of Physics, Jagellonian University, Krakow.

WIT, Romuald

A determination of zeros of the p<sup>+</sup>n-nucleon forward scattering amplitude. Acta physica Pol 24 no.6:741-747 D '63.

1. Joint Institute for Nuclear Research, Laboratory of Theoretical Physics, Dubna USSR. On leave of absence from Jagiellonian University, Krakow.

WITALEWSKI, T.

Propulsion installation on rescue ships. p. 102.

BUDOWNICTWO OKRETOWE. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich, Sekcja Okretowców) Warszawa, Poland.  
Vol. 4, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.  
Uncl.

?

WITALEWSKI, T.; MIKODEMSKI, H.

Propulsion installation on the rescue ship M/S Jantar. p. 103.

BUDOWNICTWO OKRETOWE. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich, Sekcja Okretowców) Warszawa, Poland.  
Vol. 4, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

WITALEWSKI, T.; SMOLKA, R.

Requirements of Polish harbors concerning icebreakers. p. 364

TECHNIKA I GOSPODARKA MORSKA. (Naczelnia Organizacja Techniciana, Instytut Morski i Morski Institut Rybacki) Gdansk, Poland, Vol. 8, no. 12, Dec. 1958

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 8, August, 1959

Uncl.

KECKI, Zbigniew; WITANOWSKI, Jan

A study of the structure of methoxide solutions in methanol.  
Rocznik chemii 37 no. 7/8:881-886 '63.

1. Department of Physical Chemistry, University, Warsaw.

WITANOWSKI, M.

The influence of repeated soaking and drying on the absorptiveness of shoe leather.

P. 221, (przeglad Skorany. Vol. 11, no. 9, Sept. 1956, Lodz, Poland)

Monthly Index of east European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

URBANSKI, T.; KUCZYNSKI, W.; HOFMAN, W.; URBANIK, H.; WITANOWSKI, M.

The infrared absorption spectra of extracted coals. Bul Ac Pol  
chim 7 no.4:207-214 '59.  
(EEAI 9:?)

1. Department of Organic Technology, Technical University,  
Warsaw. Department of Chemical Technology, A.Mickiewicz  
University, Poznan. Presented by T.Urbanski.  
(Poland--Coal) (Absorption apectra)  
(Spectrum, Infrared)

URBANSKI, T.; HOFMAN, W.; WITANOWSKI, M.

Infrared absorption spectra of some polycyclic vat dyes deriving  
from anthraquinone. Bul Ac Pol chim 7 no.4:215-221 '59. (EEAI 9:7)

1. Laboratory of Organic Synthesis, Polish Academy of Sciences.  
Presented by T.Urbanski.

(Dyes and dyeing) (Anthraquinone)  
(Absorption spectra) (Spectrum, Infrared)

URBANSKI, T.; HOFMAN, W.; OSTROWSKI, T.; WITANOWSKI, M.

Infrared absorption spectra of products of carbonization of cellulose. *Bul.Ac.Pol.chim.* 7 no.12:851-859 '59. (ZBAI 9:5)

1. Laboratory of organic synthesis, Polish Academy of Sciences.  
Department of Organic Technology, Warsaw Technical University.  
(Absorption spectra) (Spectrum, Infrared) (Carbonization)  
(Cellulose)

URBANSKI, T.; HOFMAN, W.; WITANOWSKI, M.

Infrared absorption spectra of products of carbonization of lignin.  
Bul.Ac.Pol.chim. 7 no.12:861-859 '59. (KRAI 9:5)

1. Laboratory of Organic Synthesis, Polish Academy of Sciences.  
Department of Organic Technology, Warsaw Technical University.  
(Absorption spectra) (Spectrum, Infrared) (Carbonization)  
(Lignin)

URBANSKI, T.; KUCZYNSKI, W.; ANDRZEJAK, A.; HOFMAN, W.; WITANOWSKI, M.

Some notes on methods of investigation of coal in infra-red spectra.  
Bul chim PAN 8 no.1:19-22 '60. (EEAI 10:9/10)

1. Department of Chemical Technology A. Mickiewicz University, Poznan.  
Department of Organic Synthesis Polish Academy of Sciences. Presented  
by T. Urbanski.

(Coal) (Spectrum, Infra-red)

WITANSKI, Stefan, mgr inz.

Presses for joining wires by clamping. Wiad elekrotechn 28  
no.5:141-143 My '61.

ABGAROWICZ, Franciszek, prof. dr; BURZYNSKI, Bohdan; WISLINSKA, Irena;  
WITCZAK, Franciszek

Fattening of young cattle using ammoniated dry sugar-beet pulp  
with a differing content of nitrogen compounds in the rations.  
Zeszyt probi post nauk roln. no. 41:101-106 '63.

1. Katedra Zwierząt, Szkoła Główna Gospodarstwa  
Wiejskiego, Warszawa. Kierownik: prof. F. Abgarowicz.

KOTARBINSKA, M.; SZYMONA, K.; WITCZAK, Fr.

Observations on the giving of water in the feeding of fattening pigs. Zesz. probl. post. nauk. roln. no. 54:41-45 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head: [prof. dr] Fr. Abgarowicz.

WITCZAK, Fr.; KOTARBIŃSKA, M.; SICHOBOLSKA, E.; ABGAROWICZ, Fr., prof. dr

Effects of various levels of protein in fodder while applying low energy feeding on the results of fattening and the nitrogen balance in pigs. Zeszyt probi post nauk roln no.54:55-60 '64.

1. Department of Animal Feeding of the Central College of Agriculture, Warsaw. Head: [prof.] Abgarowicz, and Department of Specific Animal Breeding, of the Central College of Agriculture, Warsaw. Head of Department:[doc.dr] F.Maly.

ABGAROWICZ, F., prof. dr.; SWIETLIKOWSKA, U.; SZYMONA, K.; WITCZAK, F.

Digestibility coefficients of corn silage with and without addition  
of urea. Zeszyt probi post nauk roln no. 54:87-89 '64.

1. Department of Animal Feeding of the Central College of Agriculture,  
Warsaw. Head of Department:[prof.] Abgarowicz.

ABGAROWICZ, Franciszek, prof. dr; KOTARBINSKA, Maria; CHACHULOWA, Jadwiga;  
WITCZAK, Franciszek

Different protein levels in the fodder rations and the  
results in the production of meat. Zesz probi post nauk  
roln no.41:147-151 '63.

1. Katedra Zywienia Zwierzat, Szkola Glowna Gospodarstwa  
Wiejskiego, Warszawa. Kierownik: prof. dr F. Abgarowicz.

RACHWALSKI, Janusz, mgr inz.; KOTARSKI, Janusz, mgr inz.; WITCZAK, Stanislaw,  
mgr inz.

Analysis of methods of transformer short-circuit testing. Energetyka  
Pol 18 no. 8:Suppl. Biul inst energetyki 6 no. 7/8:34-36 Ag '64.

1. Electricity Department, Institute of Power Engineering, Warsaw.

WITERSKI, Z.

WITERSKI, Z. Some remarks concerning the local building materials for backwater steps. p. 409. GOSPODARKA WODNA. Warszawa, Poland. Vol. 15, No. 10, Oct. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

WITEBSKI, Z.

The use of local materials as a means to the reduction of cost in building construction. p. 23.

BUDOWNICTWO PRZEMYSŁOWE (Minsterstwo Budownictwa Przemysłowego) Warszawa  
Vol. 5, No. 1, Jan. 1956

So. East European Accessions List Vol. 5, No. 9 September 1956

WITEBSKI, Z.

WITEBSKI, Z. Investigation-research work concerning the determination of the sources of supply and the quality of local raw materials. p. 8.

Vol. 8, no. 5, May 1956

BUDOWNICTWO WIEJSKIE

AGRICULTURE

Poland

So: East European Accession, Vol. 6, No. 5, May 1957

WITERSKI, Z.

We have started to progress. p. 4

BUDOWNICTWO WIEJSKIE. (Ministerstwo Rolnictwa i Ministerstwo Państwowych  
Gospodarstw Rolnych) Warszawa, Poland. Vol. 11, no. 7, July, 1959.

Monthly List of East European Accession (EEAI) LC, Vol 9, no. 1, Jan. 1960.

Uncl.

WITEBSKI, Z.

Training of rural handicraftsmen. p.2

BUDOWNICTWO WIEJSKIE. (Ministerstwo Rolnictwa i Ministerstwo Państwowych Gospodarstw Rolnych) Warszawa, Poland. Vol. 11, no. 10, Oct. 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

WITEBSKI, Z.

Establishment of the programming principles of geologic and hydrogeological researches. P.148 (GOSPODARKA WODNA, Warszawa. Vol. 16, no. 4, Apr. 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, no. 8, August 1956

~~WITEBSKI, Z.~~

WITEBSKI, Z.

Clay under the microscope.

p. 20 (Budownictwo Wiejskie) Vol. 9, No. 9, Sept. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JANL. 1958

WITEBSKI, ZDZISLAW.

Miejskie materiały budowlane. (Wyd. 1.) Warszawa, Budownictwo i Architektura (1957) 199 p. (Local building materials. 1st ed. illus., map, bibl. diagrs., footnotes, graphs, tables).

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

WITEBSKI, Z.

A new organization or rather a business-like approach in crushed stone management.

P. 311. (MATERIALY BUDOWLANE) (Warszawa, Poland) Vol. 12, no. 10, Oct. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

WITEBSKI, Z.

AGRICULTURE

Periodical: BUDOWNICTWO WIEJSKIE Vol. 10, no. 10, Oct. 1958

WITEBSKI, Z. Prospects of a new organization of the general building construction in villages. p. 3.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2  
February 1959, Unclass.

KRAKOW, Poland

Development of the traction services in the Krakow District  
Administration of State Railroads during the past 20 years.  
Przegl. kolej mechan. 11 (1961) no. 7-211-215 J1 '62.

1. District Administration of State Railroads, Krakow.

POPKOW, Maria; WITECKI, Jerzy

Recurrent viral hepatitis in the light of the study of proteins.  
Polskie arch. med. wewn. 32 no.5:469-476 '62.

1. Z Kliniki Chorob Zakaznych AM we Wrocławiu Kierownik: prof. dr  
med. J. Kaniak.  
(HEPATITIS INFECTIOUS blood) (BLOOD PROTEINS)

BUCHOWICZ, J.; WASILEWSKA, Lidia D.; WITECKI, J.; REIFER, I.

The anabolic pathway of uracil in higher plants. *Acta biochim. pol.*  
10 no.1:67 '63.

1. Institute of Biochemistry and Biophysics, Polish Academy of Sciences,  
and Central College of Agriculture, Warszawa.  
(NO SUBJECT HEADINGS)

CZYZEWSKA, Janina, doc. dr. med.; KANI K, Jozef, prof. dr. med.; RUDKOWSKI, Zbigniew; WITECKI, Jerzy

2 fatal cases of post-vaccination encephalitis from the same environment. Pediat. Pol. 40 no.2:179-184 F '65.

1. Z Kliniki Chorob Zakaznych Wieku Dzieciecego Akademii Medycznej we Wroclawiu (Kierownik: doc. dr. med. J. Czyzewska) i z Kliniki Chorob Zakaznych dla doroslych Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. med. J. Kaniak).

WITEK, A.; NOWOTARSKI, J.

The World Gliding Championship was a bad example for comparing racing equipment.  
p. 13.

SKRZDŁATA POLSKA. (Liga Lotnicza) Warszawa, Poland.  
Vol.11, no.30, July 1955.

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.1, Jan. 1959.

Uncl.

SZAFRAN, Leslaw; DANEK, Zbigniew; WITEK, Jerzy

Usefulness of routine roentgenographic examination in the  
diagnosis of intra-orbital foreign bodies. Pol. tyg. lek.  
20 no.38:1425-1427 20 S '65.

1. Z Kliniki Radiologicznej AM w Krakowie (Kierownik: prof.  
dr. Stanislaw Januszkiewicz) i z Kliniki Chorob Oczu AM w  
Krakowie (Kierownik: prof. dr. Marian Wilczek).

26269  
P/044/61/000/004/001/002  
D001/D101

AUTHOR: Witek, J., Captain-navigator

TITLE: The method of interception of a target at low altitude

PERIODICAL: Wojskowy przegląd lotniczy, no. 4, 1961, 18-24

TEXT: In this article the author describes one of the methods of intercepting a target in the air at low altitudes by application of a half-loop dive or of a half-roll. Decisive for the successive performance of this operation is an accurate calculation of the point at which the diving operation should commence and its distance, "S<sub>w</sub>", from the oncoming target. The exact location of this point is calculated by the navigator, who takes into consideration the speed of both aircraft, the angle of approach and the time needed for completion of the loop dive maneuver. For opposite courses of both aircraft or courses mutually intersecting at angles not greater than 60°, the following formulas are recommended: (1) without taking into account the loss of time caused by giving the "go-ahead" order and

Card 1/2

26265  
P/044/61/000/004/001/002  
D001/D101

The method of interception...

its accomplishment,  $S_w = V_c \times t_p$ ; (2) when taking the above-mentioned loss of time into account  $S_w = V_c(t_p + t_o) + (V_m + V_c)t_o$  where  $V_c$  = the speed of the target,  $V_m$  = the speed of the interceptor plane at the point at which the loop-dive maneuver starts,  $t_p$  = the time needed for loop-dive completion,  $t_o$  = the time lost for giving the order and its execution. For courses mutually intersecting at angles between  $60^\circ$  and  $90^\circ$ , and including the loss of time for giving the order  $S_w = V_c(t_p + t_o)$ . About 20 - 30 seconds before the interceptor plane will be at the maneuver starting point, suitable warning is given. For intercepting the target while on patrol the half-roll maneuver is recommended. There are 4 figures and 2 tables.

Card 2/2

NOWICKI, Jerzy; WITEK, Jerzy

Radiological observations during the course of progressive systemic  
scleroderma (scleroderma diffusa progressiva). Przegl. derm. 48  
no.8/10:115-129 '61.

1. z Kliniki Dermatologicznej A.M. w Krakowie Kierownik: Prof. dr  
K. Lejman z Kliniki Radiologicznej A.M. w Krakowie Kierownik: Prof.  
dr S. Janusziewicz.  
(SCLERODERMA radiog.)

WITEK, Jerzy

Contribution to the diagnosis of pancreatic calculi and gastric ulcer. Pol. tyg. lek. 19 no.18:676-679 27 Ap '64.

1. Z Kliniki Radiologicznej Akademii Medycznej w Krakowie  
(kierownik: prof. dr. S. Januszkiewicz).

WITEK, Jerzy; KARP, Wilhelm

Radiological contribution to the diagnosis of optic nerve  
diseases. Pol. tyg. lek. 19 no.23:869-871 1 Je'64

1. Z Kliniki Radiologicznej Akademii Medycznej w Krakowie;  
kierownik: prof. dr. Stanislaw Januszkiewicz.

WITK, Jerzy; TANIK, Zbigniew

2 cases of osteolytic neurotrophica. Pol. tyg. lek. 19 no.35;  
1331-1333 31 Ag '64.

1. w Kliniki Radiologicznej Akademii Medycznej w Krakowie  
(kierownik: prof. dr Stanislaw Januszkiwicz).

## POLAND

WITEK, Jerzy, WILCZYNsKA, Janina, and BICZ-CIENCIALOWA, Maria; Radiology Clinic (Klinika Radiologiczna), AM [Akademia Medyczna, Medical Academy] in Krakow (Director: Prof. Dr. S. JANUSZKIEWICZ)

"Concentration of Hydrogen Ions and Reserve of Bases in Blood of Patients Undergoing X Ray Treatment."

Warsaw, Postepy Higieny i Medycyny Doswiadczonej, Vol 17, No 1-2, 63, pp 229-233.

Abstract: Authors report details of an investigation which revealed, in most cases, caused a temporary decline in the base reserve of the blood without affecting its pH. In these patients symptoms of irradiation poisoning were either totally absent or very mild. Acidity was connected with symptoms of poisoning, appeared to depend more on the individual reaction of the patient than on the dose or duration of the treatment, and may possibly be more frequent in treatment of the abdominal cavity than of the upper part of the body. Passing acidity between determinations cannot be excluded. 2 Polish and 7 Western sources in the German language.

1/1

UNGAR, Imre, Dr.; KERTES, Istvan, Dr.; WINEK, Laszlo, Dr.

Simultaneous bilateral lung resection, Orv. hetil. 99 no. 45:1576-1580  
8 Nov 58.

1. Az Orszagos Koranyi Tbc. Intezet (igazgato: Boszormenyi Miklos dr.  
Tud. vezeto: Foldes Istvan dr.) kozlemenye.

(PNEUMONECTOMY

simultaneous bilateral, indic. & technic (Hun))

WITEK, M.

Remarks on the article "The Rooting Planimeter." p.427  
(POMIARY, AUTOMATYKA, KONTROLA, Vol. 2, No. 11, Nov. 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Unclassified.

WITEK, M.

TECHNOLOGY

PERIODICAL: PONIARY, AUTOMATKA, KONTROLA. Vol. 4, No. 7, July 1958

WITEK, M. Method of computing the control mechanism in gas meters. p. 349.

Monthly List of East European Accessions (EMAI) LC Vol. 8, No. 4  
April 1959, Unclass.

WITEK, Mieczyslaw

Optical computations on computers with highly developed  
automation of computation. Pomiary 8 no.9:432-433 S '62.

BROSS, W. prof. dr. med.; WREZLEWICZ, W.; KANIOWSKI, T.; WITEK, R.  
Mediastinal meningocèle. Pol. przegl. radiol. 29 no.1:13-18  
Ja-F'55.

1. Z II Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu  
(Kierownik: prof. dr. med. W. Bross); z Kliniki Radiologicznej  
Akademii Medycznej we Wrocławiu (Kierownik: doc. dr. med.  
Z. Kubrakiewicz).

BROSS, Wiktor; WREZLEWICZ, Wladyslaw; WITEK, Roman

A form of gastric torsion as a late complication following pneumoperitoneum and crushing of the phrenic nerve. Gruzlica 30 no.1:67-72 '62.

1. Z II Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr med. W. Bross.

(STOMACH dis)  
(PNEUMOPERITONEUM ARTIFICIAL compl)  
(PHRENIC NERVE surg)

WREZLEWICZ, Wladyslaw; ROGALSKI, Eugeniusz; WITEK, Roman

Complete closure of the lumen of the left main bronchus immediately  
below the tracheal bifurcation. Gruzlica 30 no.4:375-378 '62.

l. Z II Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr  
med. W. Bross.

(BRONCHI dis) (PULMONARY FIBROSIS compl)

WREZLEWICZ, W.; BROSS, T.; KOZUSZEK, W.; WITEK, R.

Broncho-biliary fistula as a complication following cholecys-  
tectomy. Pol. tyg. lek. 18 no. 37:1396-1398 9 S '63.

1. Z II Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu;  
kierownik: prof. Wiktor Bross.

(CHOLECYSTECTOMY)  
(POSTOPERATIVE COMPLICATIONS)  
(BRONCHIAL FISTULA)  
(BILIARY FISTULA)  
(ANTIBIOTICS)

POLAND/Chemical Technology - Chemical Wood Products. Industrial H-24  
Hydrolysis.

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83093

Author : Witek, S.

Inst :

Title : Turpentine Sulfate - a Basic Raw Material for the Production of Terpenes.

Orig Pub : Przegl. papiern., 1958, 14, No 4, 105-108.

Abstract : A review concerning perspectives for the utilization of turpentine sulfate (camphor production, insecticides, p-cymol, terephthalic acid, isoprene, lubricating oils, etc.).

Card 1/1

F

Country : POLAND  
Category: Laboratory Equipment. Instrumentation

Abs Jour: RZhKhim., No 17, 1959, No. 60688

Author : Bukala, M.; Burczyk, B.; Witek, S.

Inst : -  
Title : Design of a Simple Device Equipped with the  
Time Mechanism for the Automatic Removal of  
Fractions Derived in the Separation of Multi-  
component Systems.

Orig Pub: Przem. chem., 1958, 37, No 10, 671-673

Abstract: Described is an electro-mechanical device  
equipped with a clock mechanism for the auto-  
matic replacement of receptacles used in col-  
lecting fractions originating in various physi-  
cal and chemical separation methods of multi-

Card : 1/2

Country : POLAND  
Category: Laboratory Equipment. Instrumentation

F

BUKALA, Mieczyslaw; BURCZYK, Bogdan; WITEK, Stanislaw

Obtaining of aliphatic alcohols, technically pure, from sulphite fusel oils. I. Refining of raw sulphite fusel oils. Chemia stosow 3 no.4: 497-510 '59.

1. Katedra Technologii Przemyslu Organicznego, Politechnika, Wroclaw.

COUNTRY	: Poland	H-24
CATEGORY	: Chemical Technology. Chemical Products and Their Applications--Chemical wood products. Hydrolysis*	
ABS. JOUR.	: RZhKhim., No. 21 1959, No. 76328	
AUTHOR	: Bukala, M., Burczyk, B., and Witek, S.	
INST.	: Not given	
TITLE	: Side Products of the Pulp and Paper Industry. Communication 3. Investigation of the Composition of the Waste Liquors of the Bardeck and Wloclaw**	
ORIG. PUB.	: Przeglad Papiern., 15, No 4, 97-101 (1959)	
ABSTRACT	: The analysis was made by the method of fractional distillation on nearly completely dewatered material. The presence of n-propyl and the absence of isopropyl alcohol and of camphor was noted. The processing of the waste liquors must be preceded by removal of sulfur compounds. For the preceding communication in this series see RZhKhim, 1959, No 8, 29090.	
From authors' summary		
CARD: 1/1 *industry **Sulfite Mills 269		

BUKALA, Mieczyslaw; BURCZYK, Bogdan; WITEK, Stanislaw

Separation of higher aliphatic alcohols of technical purity from sulfite fusel oils. II. Separation of higher aliphatic alcohols by applying azeotropic agents giving no azeotropic systems with higher alcohols. Chemia stosow 4 no.1:129-146 '60. (EEAI 9:10)

1. Katedra Technologii Przemyslu Organicznego Politechniki  
Wroclawskiej.

(Alcohols)	(Sulfites)	(Azeotropes)
(Aliphatic compounds)	(Fuel oil)	(Chloroform)
(Propyl alcohol)	(Butyl alcohol)	(Amyl alcohol)
(Pentanol)	(Isobutyl alcohol)	

BUKALA, Mieczyslaw; BURCZYK, Bogdan; WITEK, Stanislaw

Separation of higher aliphatic alcohols of technical purity from  
sulfite fusel oils. III. Separation of higher aliphatic alcohols by  
using azeotropic agents applied for the dehydration of alcohol.  
Chemia stosow 4 no.2:283-304 '60. (EEAI 10:3)

1. Katedra Technologii Przemysl Organicznego Politechniki Wrocławskiej  
(Alcohols) (Sulfites) (Fusel oil)  
(Azeotropes) (Aliphatic compounds)

WITEK, Stefan

Industrial methods for the dearomatization of paraffins. To  
be contd. Wiad naft 7 no.12:273-275 '61.

WITEK, St.

JOURNAL OF CLIMATE, VOL. 15, NO. 2, 2002 (CONTINUED)

११

BUKALA, Mieczyslaw; BURCZYK, Rogdan; WITEK, Stanislaw

Sulfite turpentine. I. Chemia stosow 6 no.1:115-132 '62.

1. Katedra Technologii Przemyslu Organicznego, Politechnika, Wroclaw.

WITEK, Stanislaw; BUKALA, Mieczyslaw

Studies on the composition of Polish-made sulfate turpentine.  
Chemia stosow 6 no.2:295-320 '62.

1. Katedra Technologii Przemyslu Organicznego, Politechnika,  
Wroclaw.

WITEK, Stanislaw; BUKALA, Mieczyslaw

Studies on the composition of Polish sulfate turpentine. Pt. 2.  
Chemia stosow 6 no.3:511-525 '62.

1. Katedra Technologii Przemyslu Organicznego, Politechnika, Wroclaw.

SZYM CZYK, Aleksander; WITEK, Stefan.

Industrial methods for the dearomatization of paraffins. Conclusion.  
Wiad naft 8 no.1:14-17 '62.

WITEK, Stanislaw, dr inz.

Studies on the composition of Polish sulfate turpentine.  
Wiad chem 17 no.1:57-61 Ja '63.

1. Katedra Technologii Przemyslu Organicznego,  
Politechnika, Wroclaw.

WITEK, Stanislaw

Studies on the structure and insecticide properties of  
polychloroterpene compounds. Chemia stosow 8 no. 1:153-157  
'64.

1. Department of Technology of Organic Industry, Technical  
University, Wroclaw.

WITEK, Stanislaw, dr inz.; BUKALA, Mieczyslaw, prof. dr inz.

Composition of Polish-made sulfate turpentine. Przegl. papier  
20 no. 1: 12-17 Ja '64.

1. Katedra Technologii Przemyslu Organicznego, Politechnika,  
Wroclaw.

**CZECHOSLOVAKIA**

WITEK, S. KREPINSKY, J

Institute of Organic Chemistry and Biochemistry,  
Czechoslovak Academy of Sciences, Prague - (for both)  
(Witek on study leave from Department of Organic  
Technology, Technical University, Wroclaw, Poland)

Prague, Collection of Czechoslovak Chemical Communi-  
cations, No 3, March 1966, pp 1113-1123

"On terpenes. Part 177: The composition of valeren  
oil. (Valeriana officinalis L.)"

WITEK, Tadeusz

Alluvial soils of the Vistula River mouth (Zulawy region). Rocznika  
roln rosl 82 no.3:659-688 '61.

1. Zaklad Gleboznawstwa, Instytut Uprawy, Nawozenia i Gleboznawstwa,  
Pulawy. Kierownik: prof. dr. M. Strzemski.

WITEK, T. ; WITEKOWA, S.,

T. WITEK, "On optical investigations of complex compounds in solutions."  
No. 3, March 1955, pp. 129-184, Chemical News (Poland).

Witek, Tadeusz

Compounds of arsenious oxide with some alkali halides. I. Cryometric measurements. Edward Jozefowicz and Tadeusz Witek (Inst. Technol., *Colloid Chem.*, *Polish J. Chem.*, 27, 1-3 (1953) (English summary).--The b.p. lowering of the following aq. solns. was detd.: As<sub>2</sub>O<sub>3</sub> (I) (up to over 25 g. per kg. H<sub>2</sub>O), KCl (up to over 2 molal), KBr (up to 1.3 molal), KI (up to 1.3 molal), NaCl (up to 2 molal), NH<sub>4</sub>Cl (up to 1.3 molal), and finally of mixed solns. contg. I and each of the above salts in various proportions. In solns. with NaCl and NH<sub>4</sub>Cl the observed drop,  $\Delta_t$ , could be calcd. additively from their compn., whereas solns. with all 3 K halides showed marked neg. deviations from additivity. These deviations were considered evidence for complex formation between the solutes. II. Ebulliometric measurements. Edward Jozefowicz and Zdzislaw Galdecki. *Ibid.*, 283-8.---The b.p. elevation of the following solns. was detd.: As<sub>2</sub>O<sub>3</sub> (I) (up to over 18 g. per 1 kg. H<sub>2</sub>O), KCl (up to 4.5 molal), KBr (up to 3.5 molal), NaCl (up to 4 molal), NH<sub>4</sub>Cl (up to 5 molal) as well as of solns. contg. I and each of the above salts in various proportions. In all cases the b.p. elevation could be calcd. additively from the compn., within exptl. error. This was considered evidence of complete decompr. at the b.p. of complexes formed by I with some of the K halides.

T. Jozefowicz

NP BI

WITEK, T.

Jozefowicz, E. Compounds of arsenious oxide with some alkali halides. II.  
Ebullioscopic measurement. p. 253.  
ROCZNIKI CHEMI, Warszawa, Vol. 29, no. 2/3, 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001961620014-1

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R001961620014-1"

POLAND / Physical Chemistry. Kinetics. Combustion. B  
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56760.

Author : Witekowa Stanisława, Witek Tadeusz.

Inst : Not given.

Title : Kinetics of Reaction Between Hydrogen-Iodide  
and Sulfur Dioxide on the Phase Boundary,  
Liquid-Gas.

Orig Pub: Roczn. chem., 1957, 31, No 2, 437 - 447.

Abstract: The kinetics of reaction on the phase boundary between an HI solution and a gaseous  $\text{SO}_2$  was investigated according to the equation  $\text{HI} + \text{SO}_2 \rightarrow \text{HI} \cdot \text{SO}_2$  (1). The complex  $\text{HI} \cdot \text{SO}_2$  is yellow. Its concentration has been determined by the spectrophotometric method. At a

Card 1/2 18

WIEC, 1AD2452

Distr: 4E2c(j) 7

✓ Complex compounds of sulfur dioxide with hydrogen chloride, hydrogen bromide, and hydrogen iodide. Stanislaw Witekowa, Tadeusz Paruszak, and Tadeusz Witek (Politech, Lodz, Poland). *Zeszyt Nauk. Politech. Lodz.* No. 22, Chem. No. 7, 17-34 (1988) (English summary).  
Aq. solns. contg.  $\text{SO}_2$  and HCl, HBr, or HI were investigated. Specific cond. at 0 and  $25^\circ$ , and pH at  $25^\circ$  were detd. for solns. prep'd. by mixing 0-80 ml. of 0.17-0.83M solns.; light absorption was measured at  $272\text{ m}\mu$  and various concns., and within 200-480  $\text{m}\mu$  for acid: $\text{SO}_2$  1:1 molar ratio. The existence of complexes  $\text{SO}_2\text{HCl}$ ,  $\text{SO}_2\text{HBr}$ , and  $\text{SO}_2\text{HI}$ , was confirmed (*C.A.* 52, 850d). Absorption max. were at 272, 282, and  $400\text{ m}\mu$ , resp. J. Stecki

BS

? 2 May